

700

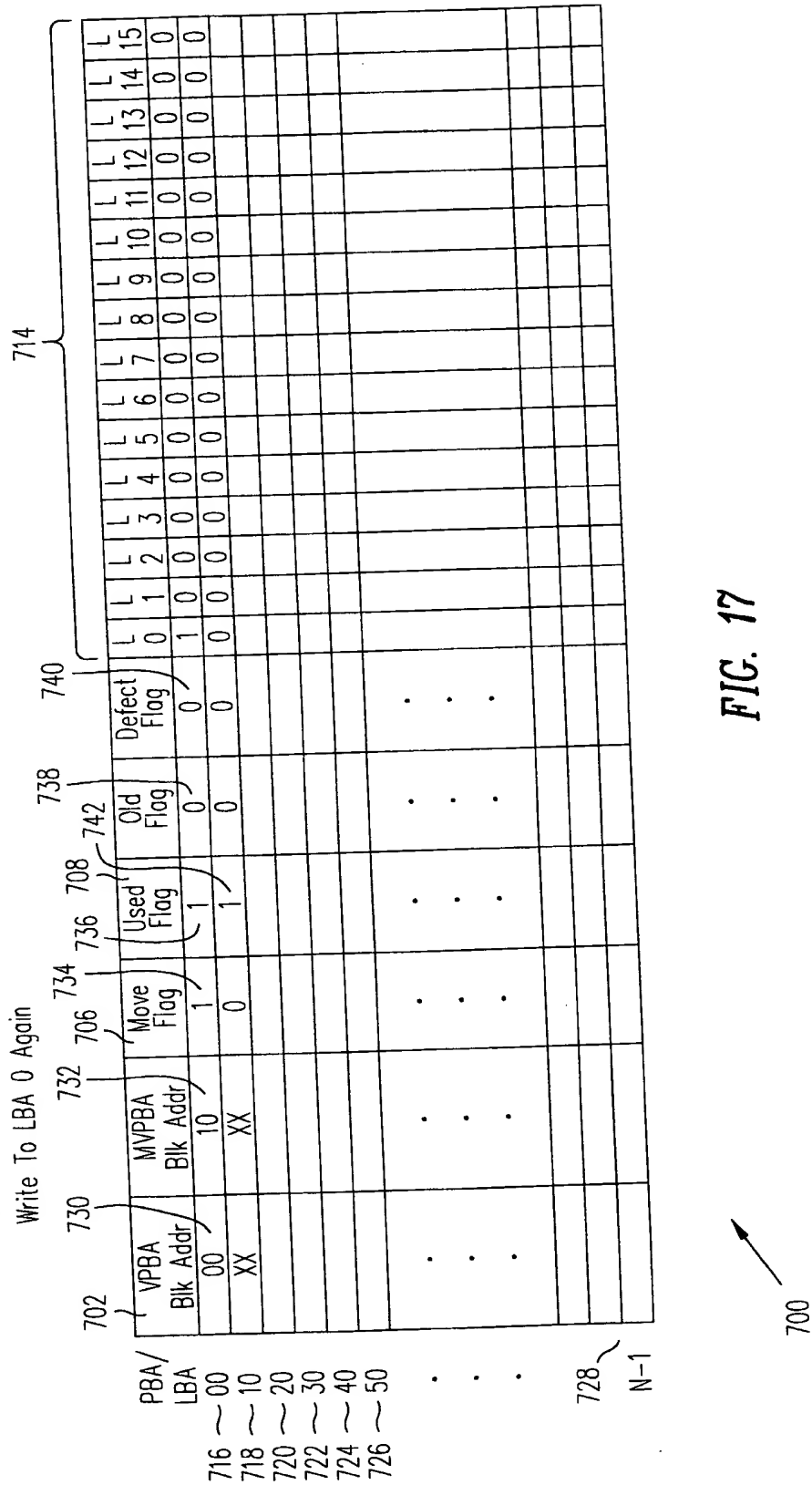


FIG. 17

PBA/ LBA	VPBA Blk Addr	MVPBA Blk Addr	Move Flag	Used Flag	Old Flag	Defect Flag	714															
							L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L
702	00	10	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
704	XX	XX	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
706																						
708																						
710																						
712																						
714																						
716																						
718																						
720																						
722																						
724																						
726																						
728																						
N-1																						

FIG. 18

700



[illegible]

FIG. 19

700



Host Write To LBA 5

PBA/ LBA	702	730	732	734	746	742	744	714	716	718	720	722	724	726	728	N-1
	VPBA Blk Addr	MVPBA Blk Addr	Move Flag	Used Flag	Old Flag	Defect Flag		L	L	L	L	L	L	L	L	L
716 ~ 00	00	20	1	1	0	0		0	1	0	0	0	0	0	0	0
718 ~ 10	XX	XX	0	1	1	0		0	0	0	0	0	0	0	0	0
720 ~ 20	XX	XX	0	1	0	0		0	0	0	0	0	0	0	0	0
722 ~ 30																
724 ~ 40																
726 ~ 50																
.										
.										
.										
728 ~																
N-1																

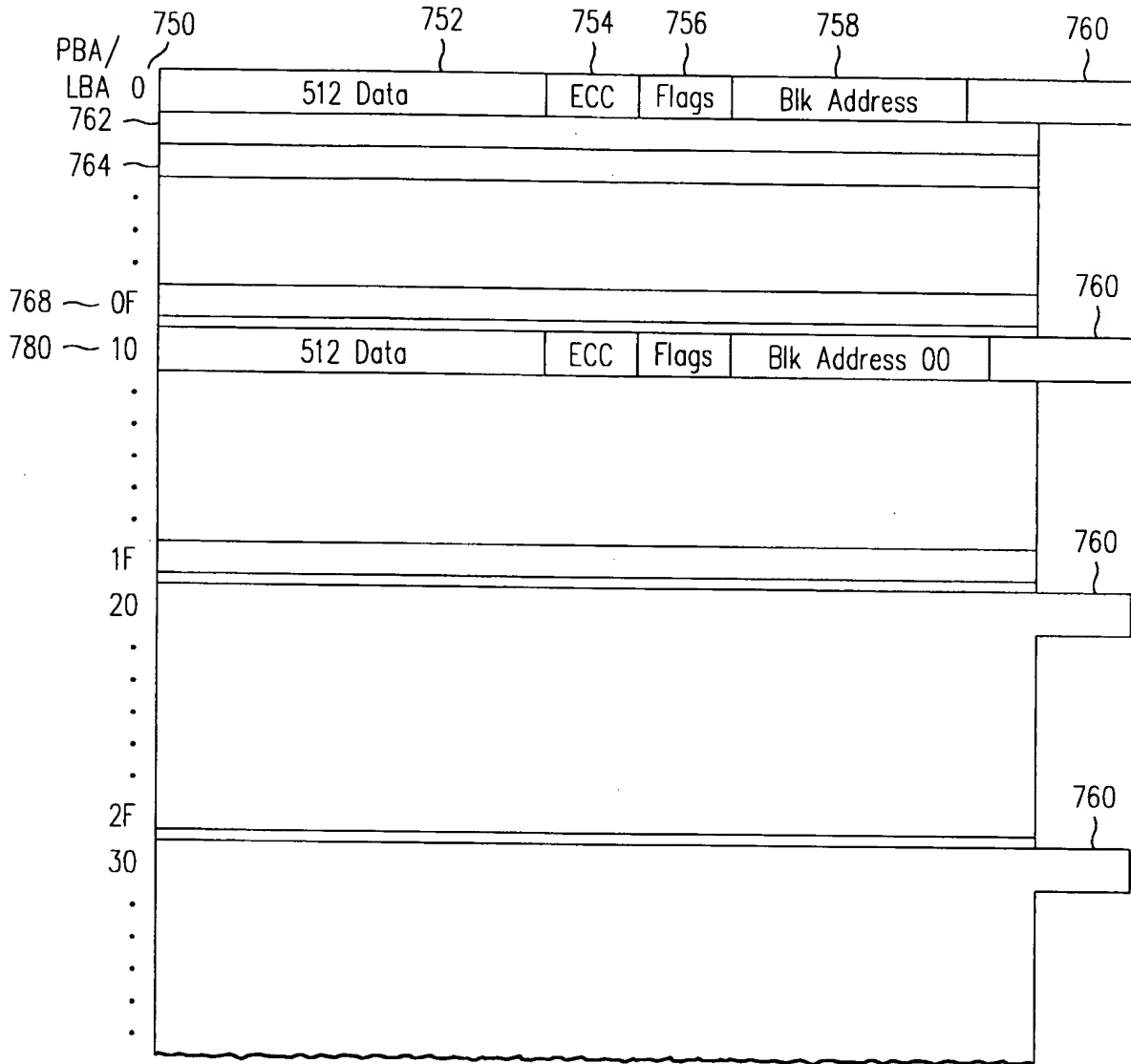
FIG. 20



700



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510

FIG. 22

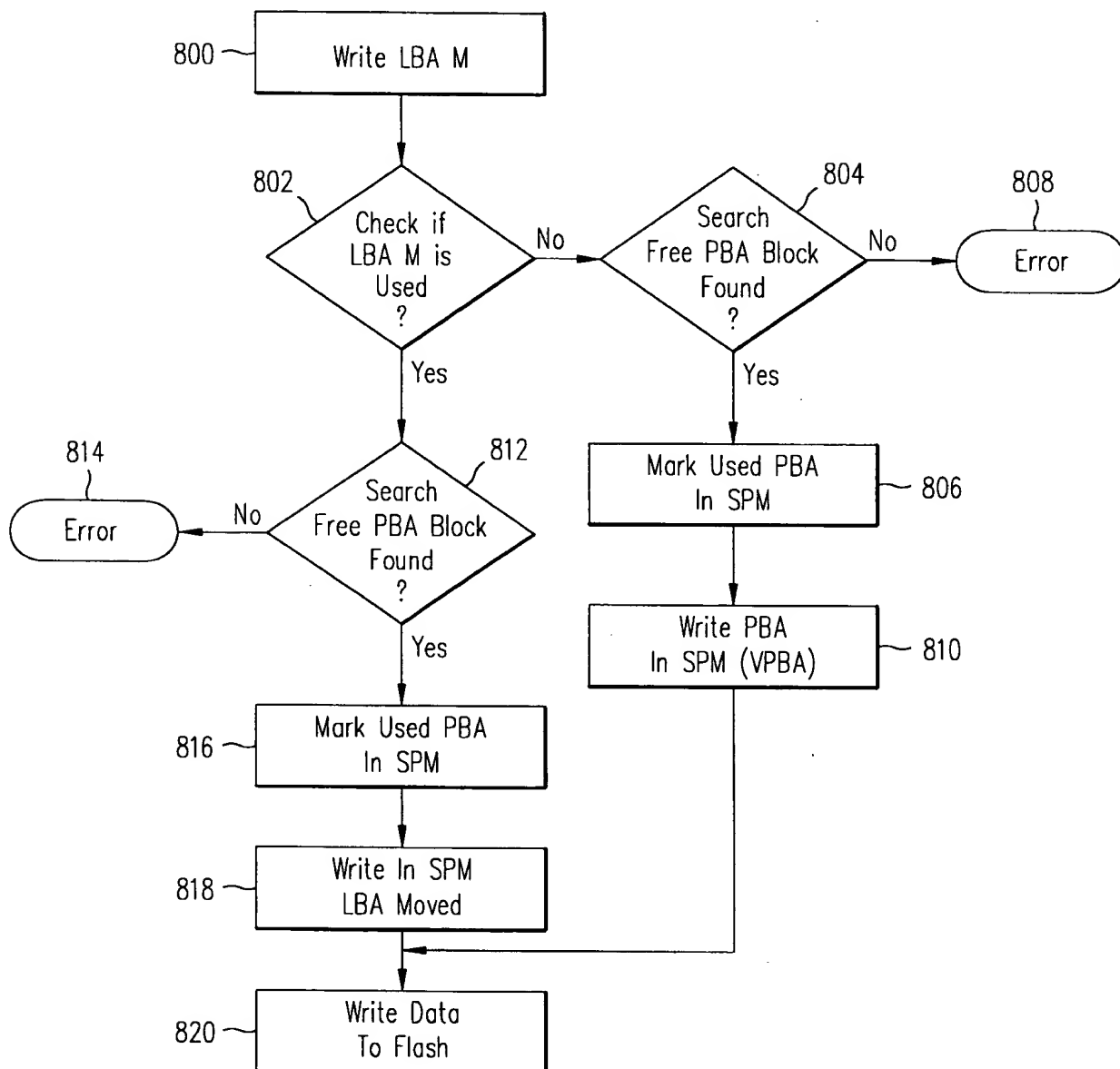


FIG. 23



PBA/ LBA	VPBA Blk Addr	MVPBA Blk Addr	Move Flag	Used Flag	Old Flag	Defect Flag	714														
							L	L	L	L	L	L	L	L	L	L	L	L	L	L	L
716 ~ 00	00	20	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
718 ~ 10	XX	XX	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
720 ~ 20	XX	XX	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
722 ~ 30																					
724 ~ 40																					
726 ~ 50																					
.															
.															
.															
728 ~																					
N-1																					

Host Write To LBA 5

FIG. 15

700



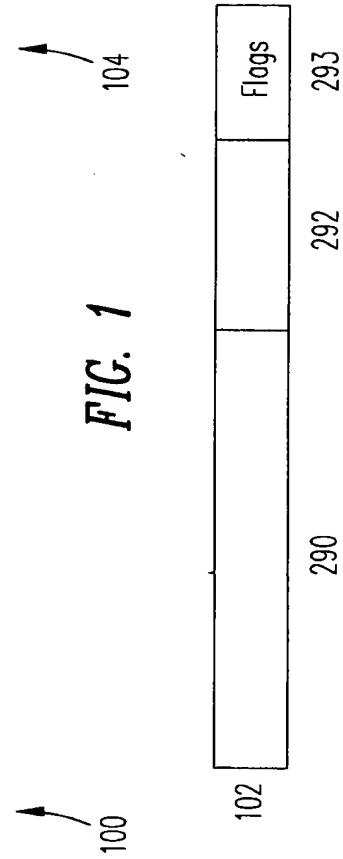
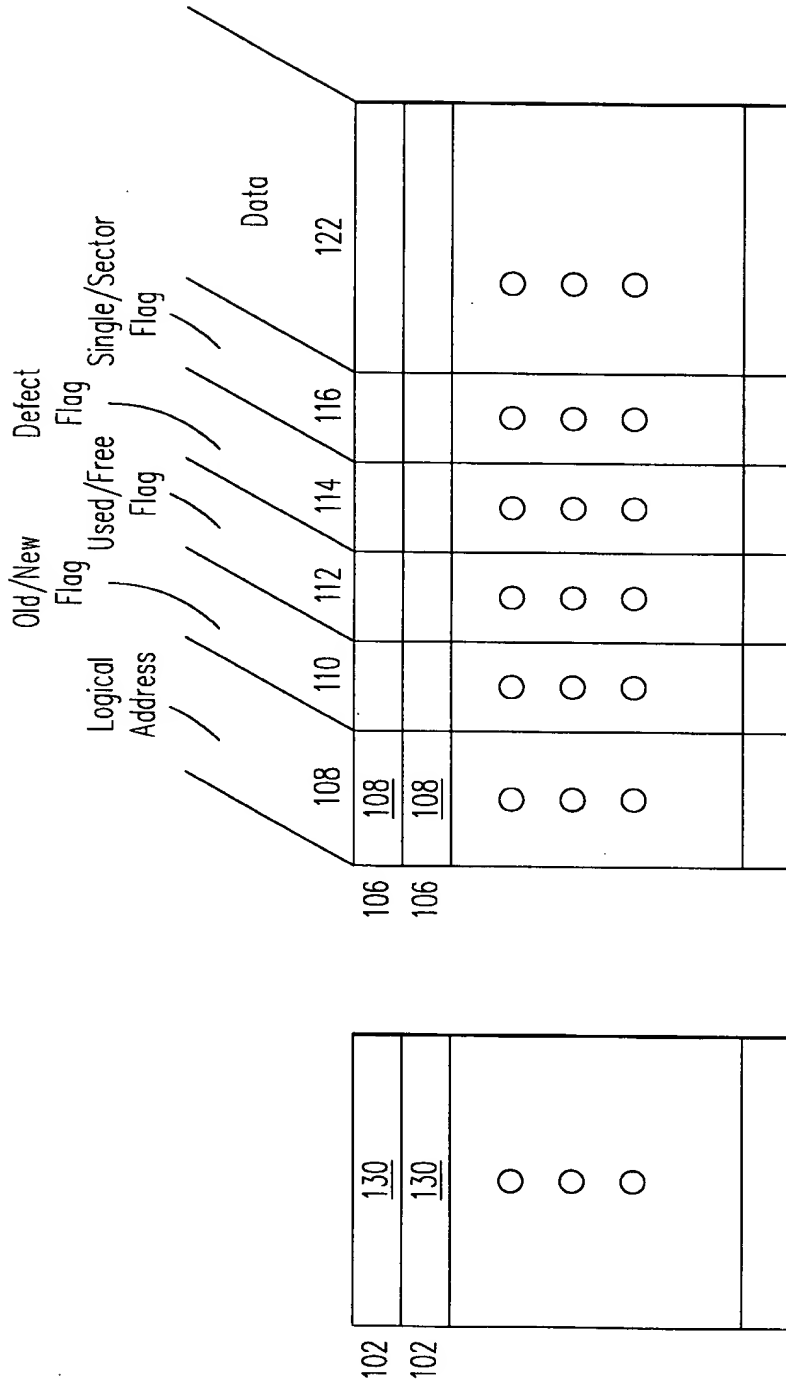
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		702	730	732	706	734	708	742	714																
PBA/ LBA		VPBA Blk Addr	MVPBA Blk Addr	Move Flag	Used Flag	Old Flag	Defect Flag	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L
		00	20	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
716 ~ 00		XX	XX	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
718 ~ 10		XX	XX	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
720 ~ 20		XX	XX	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
722 ~ 30																									
724 ~ 40																									
726 ~ 50																									
.	
.	
.	
728 ~																									
N-1																									

Host Write To LBA 5

FIG. 15







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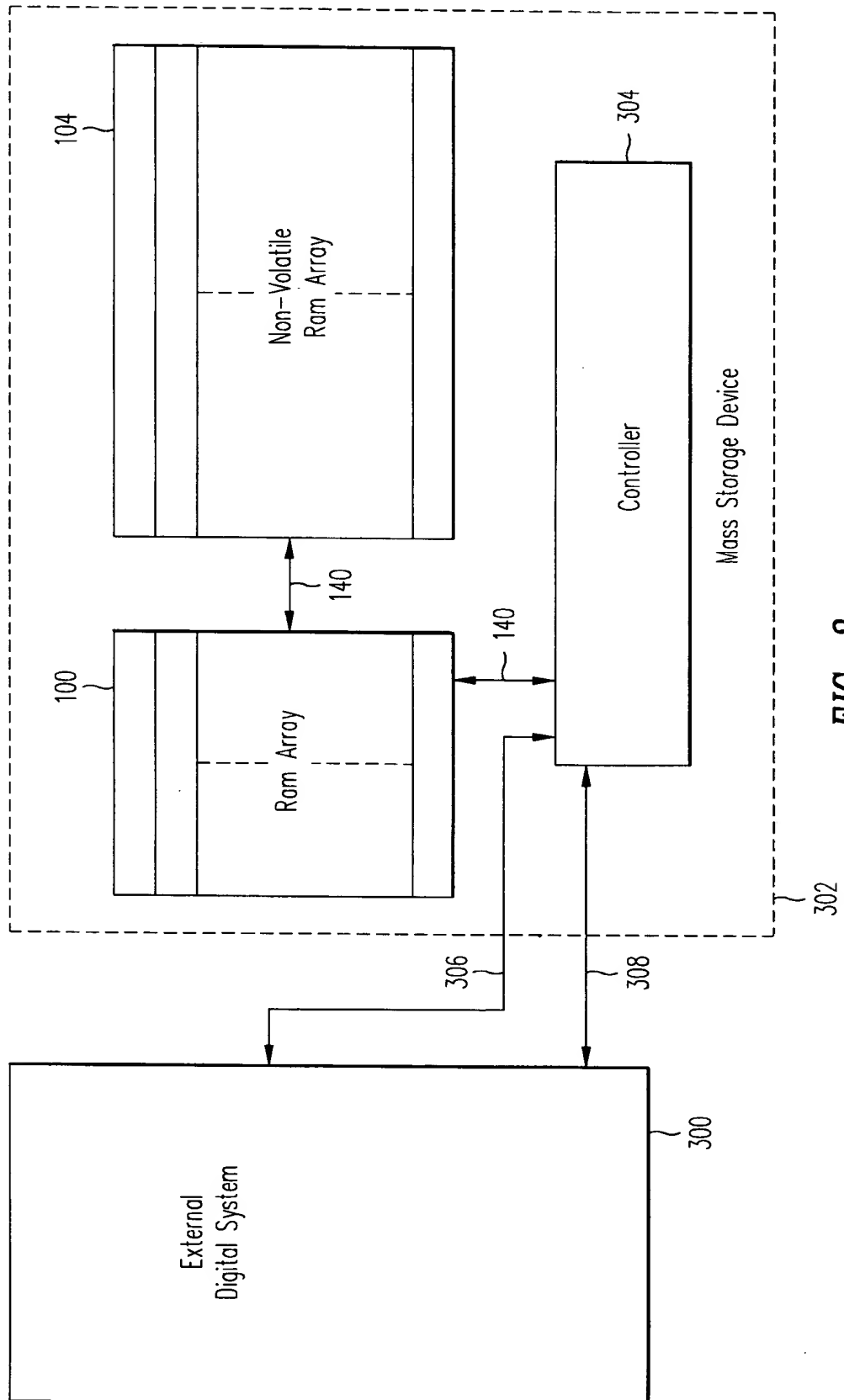


FIG. 3



Actual LBA/ Actual PBA	Virtual PBA	old	used	def
0		0	0	0
1		0	0	0
2		0	0	0
3		0	0	0
4		0	0	0
5		0	0	0
6		1	1	0
7		0	0	0
8		0	0	0
9		0	0	1
10		0	0	0

FIG. 4

Actual LBA/ Actual PBA	Virtual PBA	old	used	def
0		0	1	0
1		0	0	0
2		0	0	0
3	0	0	0	0
4		0	0	0
5		0	0	0
6		1	1	0
7		0	0	0
8		0	0	0
9		0	0	1
10		0	0	0

FIG. 5

Actual LBA/ Actual PBA	Virtual PBA	old	used	def
0		0	1	0
1		0	1	0
2		0	0	0
3	0	0	0	0
4	1	0	0	0
5		0	0	0
6		1	1	0
7		0	0	0
8		0	0	0
9		0	0	1
10		0	0	0

FIG. 6



Actual LBA/ Actual PBA	Virtual PBA	old	used	def
0		1	1	0
1		0	1	0
2		0	1	0
3	2	0	0	0
4	1	0	0	0
5		0	0	0
6		1	1	0
7		0	0	0
8		0	0	0
9		0	0	1
10		0	0	0

FIG. 7

Actual LBA/ Actual PBA	Virtual PBA	old	used	def
0		1	1	0
1		1	1	0
2		0	1	0
3	2	0	1	0
4	3	0	0	0
5		0	0	0
6		1	1	0
7		0	0	0
8		0	0	0
9		0	0	1
10		0	0	0

FIG. 8



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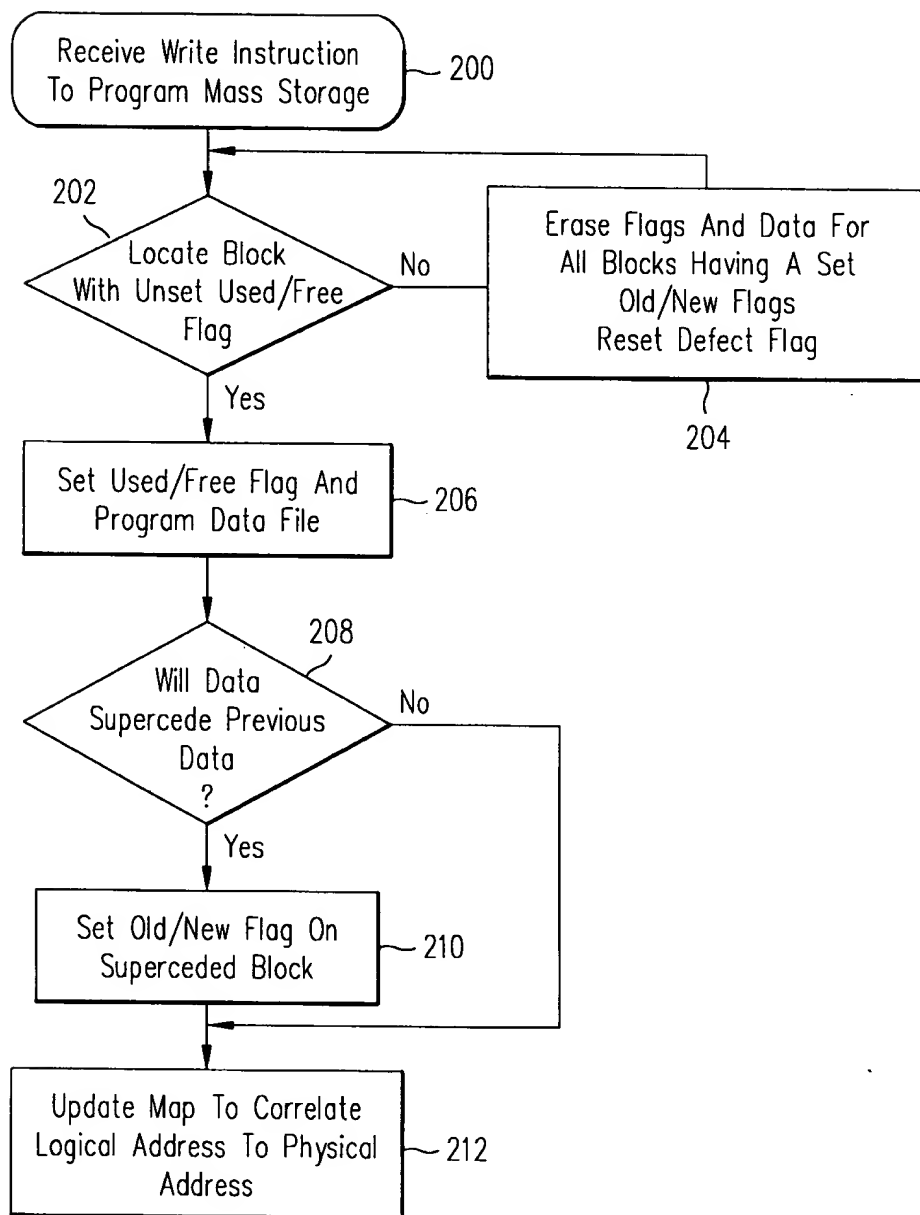
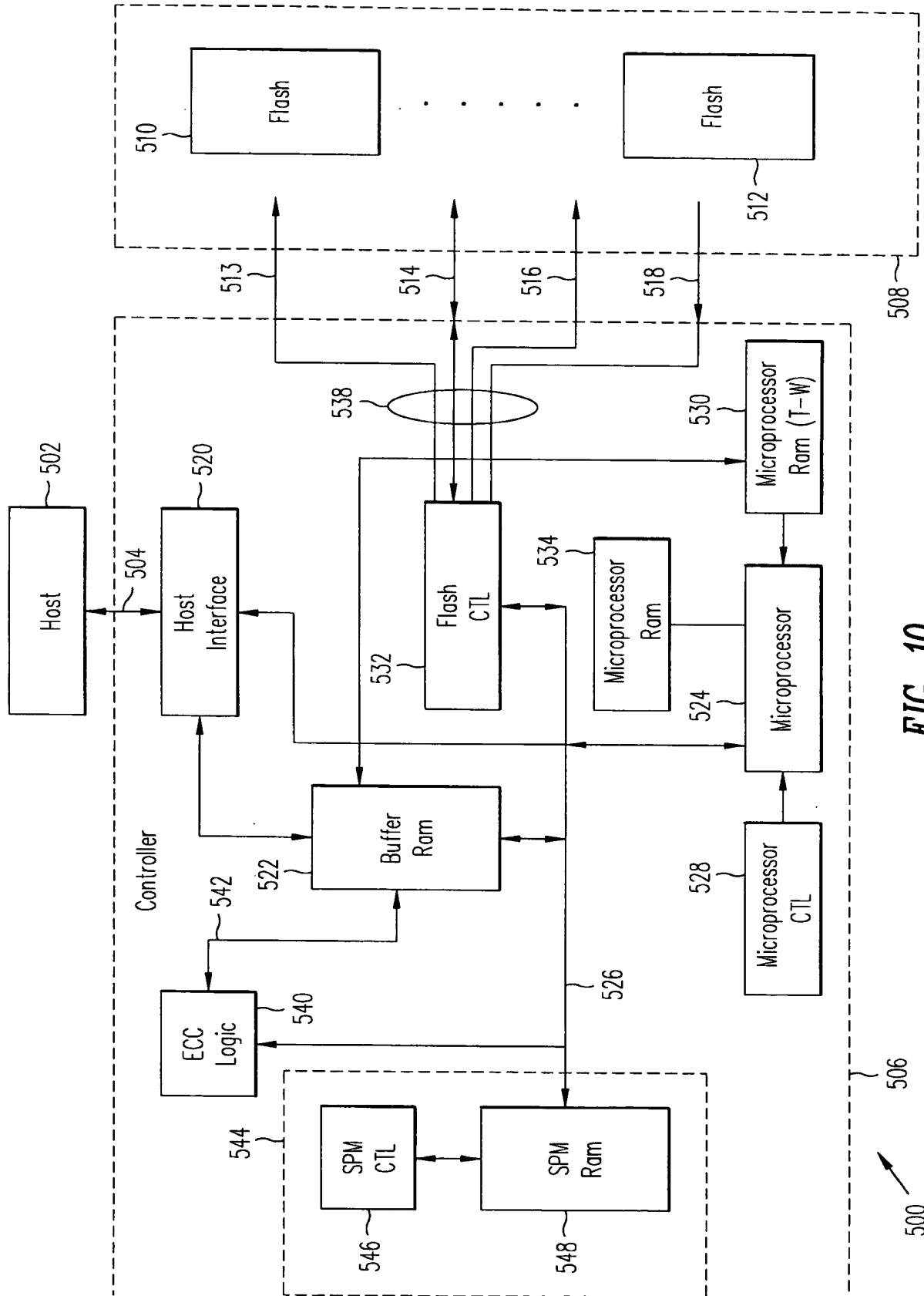


FIG. 9





PBA/ LBA	702		730		704		732		706		734		708		736		710		738		712		714																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
	VPBA Blk Addr	MVPBA Blk Addr	Move Flag		Used Flag		Old Flag		Defect Flag		L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L

FIG. 11

700



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Host Write To LBA 0 Again

PBA/ LBA	VPBA Blk Addr	MVPBA Blk Addr	Move Flag	Used Flag	Old Flag	Defect Flag	714															
							L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L
716 ~ 00	00	20	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
718 ~ 10	XX	XX	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
720 ~ 20	XX	XX	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
722 ~ 30																						
724 ~ 40																						
726 ~ 50																						
.																
.																
.																
728 ~																						
N-1																						

FIG. 13

700



10/19

PBA/ LBA	Host Write To LBA 0 Again																								Detect Flag	Old Flag	Used Flag	Move Flag	VPBA Blk Addr	MVPBA Blk Addr	730	704	732	706	734	708	710	738	744	714																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
	702	703	705	707	709	711	713	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731																732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
716 ~ 00	00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													

FIG. 14

700



11/19

PBA/ LBA	702	730	732	706	734	708	742	714															
	VPBA Blk Addr	MVPBA Blk Addr	Move Flag	Used Flag	Old Flag	Defect Flag	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L
716 ~ 00	00	20	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
718 ~ 10	XX	XX	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
720 ~ 20	XX	XX	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
722 ~ 30																							
724 ~ 40																							
726 ~ 50																							
.
.
.
728 ~																							
N-1																							

Host Write To LBA 5

FIG. 15

700